

Current Status of Stormwater Trash Load Reductions in San Mateo County & Updates on Other Stormwater Trash Activities



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April 18, 2017

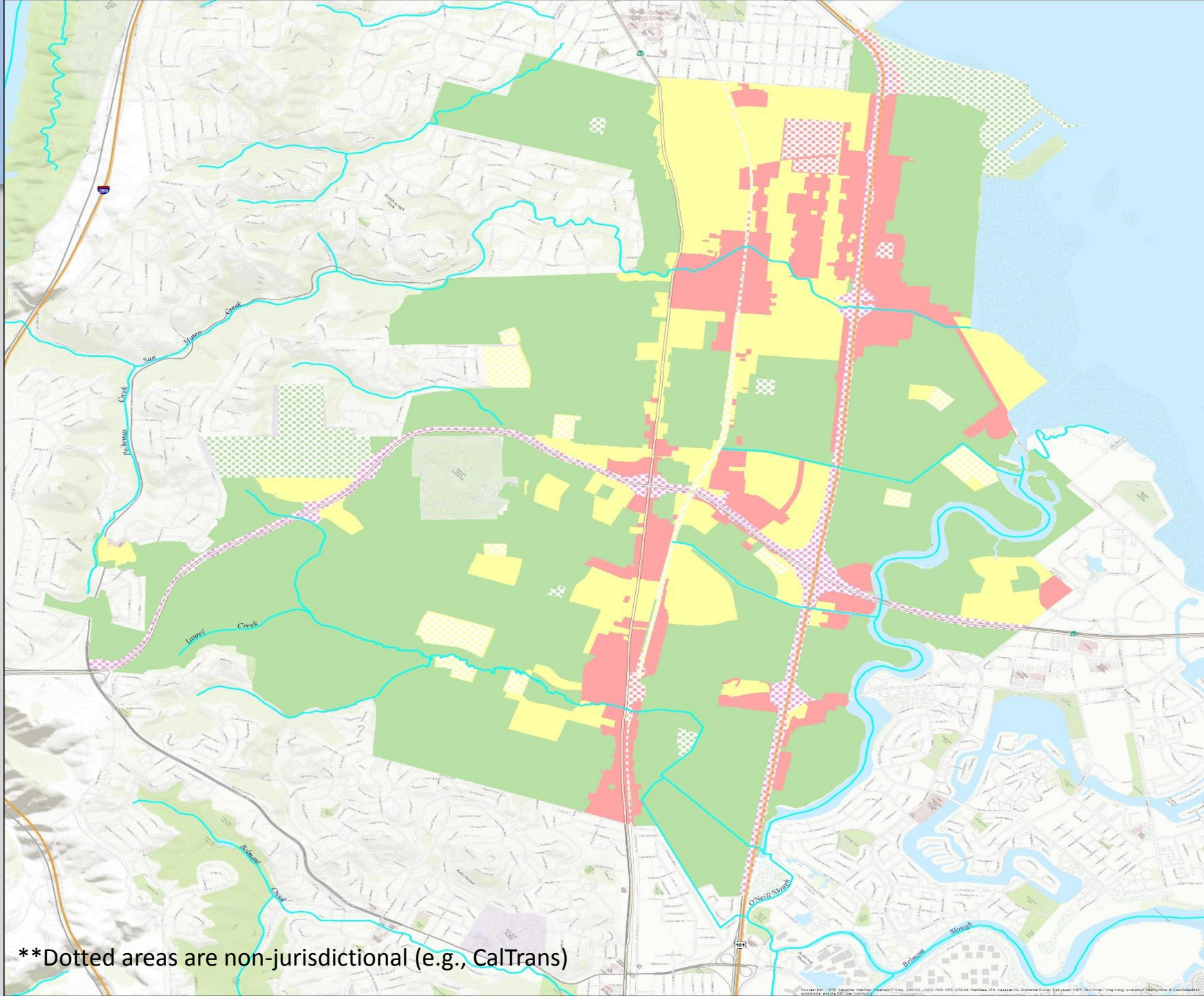
Overview

- **Stormwater Trash Controls and Load Reductions**
 - Progress towards 80% reduction goal (July 2019)
 - Recent Water Board Cease and Desist Orders
- **Trash Receiving Water Monitoring**
- **Litter Work Group Activities**
- **MRP 3.0 Discussions with Water Board staff**

Municipal Regional (Stormwater) Permit (MRP 2.0)

Provision C.10 – Trash Load Reduction

- **Trash Load Reduction Targets**
 - 40% by July 2014
 - 60% by July 2016 (performance guideline)
 - 70% by July 2017 (mandatory/enforceable)
 - **80% by July 2019 (mandatory/enforceable)**
 - 100% (no adverse impacts) by July 2022
- **Mandatory Trash Full Capture Systems**
- **Receiving Water Monitoring Program**
- **Annual Creek/Shoreline Cleanups**
- **Maintain Long-Term Plan**



Trash Generation Category
Very High
High
Moderate
Low

**Dotted areas are non-jurisdictional (e.g., CalTrans)

Extent of Trash Full Capture

- **San Mateo Countywide**

- All member agencies exceeded the minimum treatment areas required by MRP 2.0
 - Over **>4600 acres** of moderate, high, and very high trash generating areas treated
 - 2,681 small (inlet-based systems)
 - 6 large systems
- Enhanced maintenance and operation tracking and reporting
- **47% trash reduction (countywide)** due to full capture systems



Trash Generation
Category

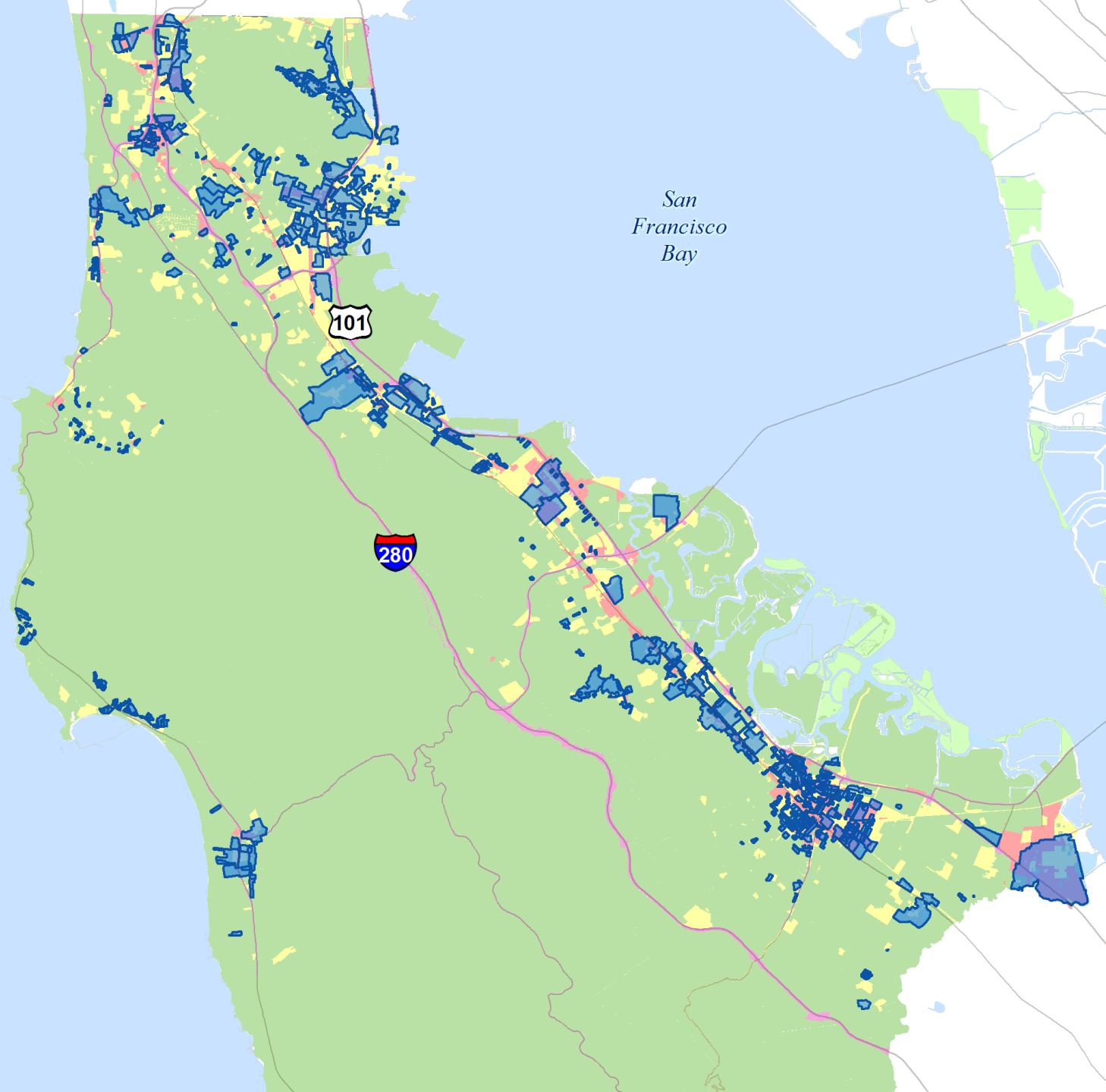
Very High

High

Moderate

Low

Treated by Full
Capture Device

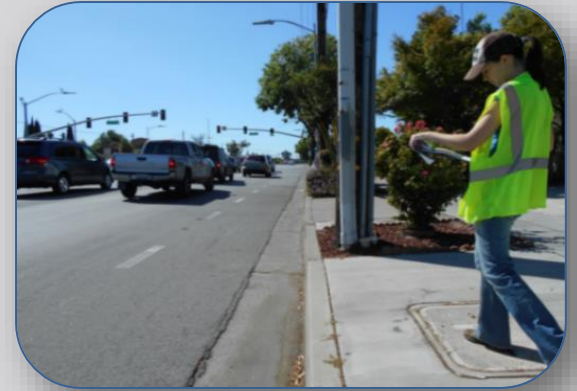


Geographical Extent of Trash Full Capture Systems

On-land Visual Assessments

(Other Control Measures)

- Assessment method used to account for trash reductions from actions other than full capture systems
 - Enhanced street sweeping
 - Reoccurring on-land cleanup events
 - Enhanced business inspection programs
 - Other actions
- **San Mateo Countywide**
 - Over 1,200 assessments conducted in FYs 17-18 & 18-19 (to-date) (~200 planned for May/June)
 - >233 miles of streets/sidewalks assessed
 - **~30% trash reduction (countywide)** observed to-date



Source Controls

- Reusable bag ordinances
- Expanded polystyrene food service ware ordinances
- **10% trash reduction** for nearly all member agencies
 - Maximum allowed under MRP 2.0



Additional Creek and Shoreline Cleanups

- Offsets for cleanups conducted above and beyond those required by MRP 2.0
- 10:1 offset (previously 3:1)
- Maximum 10% reduction allowed under MRP 2.0
- Reductions vary among member agencies



Projected SMCWPPP Member Agency Trash Reductions in FY 18-19

- Compliance Goal – 80% by July 1, 2019
- Current Status (as of April 15, 2019)
 - 19 of 21 member agencies > 80% reduction
 - 2 of 21 member agencies currently installing full capture devices and will likely demonstrate > 80% reduction
- Anticipated 100% achievement of 2019 Compliance Goal
- Member agency Annual Reports will be submitted to the Water Board on September 30, 2019

Required Next Steps if < 80% Reduction

- Should member agencies report less than < 80% reduction:
 - Develop and submit a “compliance plan” with FY 18-19 annual report
 - Actions that will be taken to achieve a 80% reduction
 - Associated schedule
 - Funding mechanisms
- Meet with Water Board staff in advance of Annual Report Submittal
- WB Enforcement Actions – Cease and Desist Order?
 - Consistent with enforcement actions for 70% reduction goal



Water Board Enforcement Actions

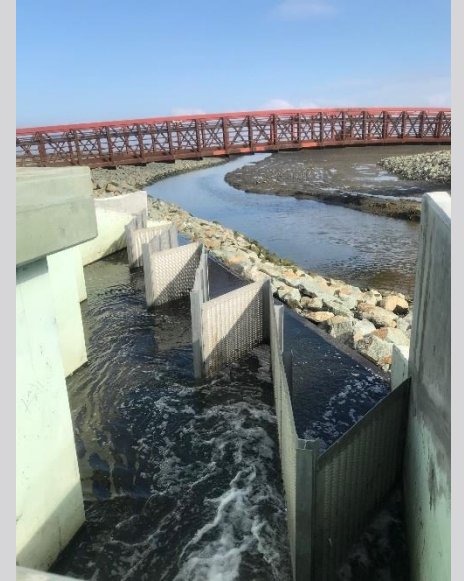
East Palo Alto and Caltrans

- **East Palo Alto**

- Reported < 70% reduction in FY 16-17 Annual Rpt
- Cease and Desist Order (CDO) – June 2018
 - “Achieve 80% by July 2019”
- Installed large full capture system in late 2018
- Rescission of CDO – February 2019

- **Caltrans**

- Water Board determined limited progress on addressing trash in ROW
- Issued CDO in February 2019
 - Achieve 8,800 acres or more by June 30, 2026
 - Other requirements
- Cooperative Agreements – Funding for SW Treatment Projects



Trash Receiving Water Monitoring Plan

- Regional plan to monitor trash in local waterways
 - Water Board Executive Officer approval (Jan 2018)
 - Peer review and stakeholder input
- Implementation underway
 - SMCWPPP and Permittee field work
 - Roughly halfway through data collection under MRP 2.0
- Preliminary Project Report (Regional – BASMAA)
 - Draft – (Late) April 2019
 - Final – June 2019



SMCWPPP Litter Work Group

- Work group of Trash Subcommittee
 - Municipal staff (stormwater and solid waste/recycling)
 - Waste hauler staff
 - Transportation agencies?
- Forum to coordinate on broader litter/trash issues in San Mateo County
- Assists with implementation of stormwater control measures
- FY 18-19 Tasks
 - Roundtable for enhanced coordination with transportation agencies
 - Factsheet and presentation on Multi-family Tool kit at New Development Workshop
 - Continued coordination with waste haulers
- FY 19-20 Tasks – Work Plan under development



MRP 3.0 – Trash Management/Monitoring

- MRP 3.0 Work Group Formed
- High Priority Topics
 - Continuation/changes to existing framework
 - Elimination/reduction of source control credits and creek cleanup offsets
 - MRP 3.0 trash reduction goal and timeline
 - 2022? 2030?
 - Opportunities to account for additional actions
 - Partial capture
 - Additional sources controls
 - Extent/degree of on-land visual trash assessments (OVTAs)
 - Others



Questions?

